

**ABSTRACT**

The present invention relates to a fluorescence measuring apparatus having a structure enabling fluorescence measurement of a microvolume sample to be made readily in a short time. The fluorescence measuring apparatus comprises a pumping light source, a  
5 pipette device, a tip, attached to the pipette device, and a fluorescence detection system. The pipette device is arranged from a pipette and a pipette adapter having a pumping light introducing structure for introducing pumping light into an internal space, and a fluorescent  
10 sample taken in from a suction inlet is held at a front end of the tip. The pumping light from the pumping light source is irradiated onto the fluorescent sample at the front end of the tip via the internal space of the pipette adapter by means of the pumping light introducing structure, and fluorescence is emitted from the fluorescent sample. The fluorescence  
15 detection system receives at least a part of the fluorescence generated as a result of this pumping light irradiation.

**Fig.1**

